

COMPLETE SET OF PENDING CLAIMS

1-10 (Cancelled)

11. (Original) A processor for cleaning, rinsing, and drying workpieces comprising:

a process vessel adapted to hold one or more workpieces therein;

an ozone injection system coupled to the process vessel for introducing ozone gas into the process vessel by bubbling the ozone gas up through a liquid in the process vessel;

a liquid injection system coupled to the process vessel for introducing a processing fluid into the process vessel; and

a drying system coupled to the process vessel for supplying a drying gas into the process vessel.

12. (Original) The processor according to claim 11, wherein the drying system comprises a gas diffuser at the top of the process vessel.

13. (Original) The processor according to claim 11, further comprising one or more heaters on the process vessel.

14. (Original) The processor according to claim 11, further comprising a spinning mechanism for spinning the one or more workpieces within the process vessel.

15. (Original) The processor according to claim 11, further comprising a rack in the process vessel for holding the one or more workpieces.

16. (Original) The processor according to claim 11, wherein the drying system comprises one or more gas spray nozzles inside the process vessel.

17. (Currently Amended) A method for cleaning, rinsing, and drying one or more workpieces within a single process vessel, comprising the steps of:
 placing the workpieces into the process vessel;
 introducing a processing fluid into the process vessel, with the processing fluid beneath the workpiece;
 heating the processing fluid with a heater;
 introducing ozone gas into the process vessel;
 immersing the workpieces in the processing fluid within the process vessel;
 introducing a drying fluid into the process vessel; and
 removing the processing fluid from the process vessel.

18. (Cancelled)

19. (Currently Amended) The method of claim 17, wherein the step of introducing the ozone gas comprises by bubbling the ozone gas into the process fluid.

20. (Original) The method of claim 17, further comprising the step of continuously introducing processing fluid into the process vessel during the immersing.

21. (Original) The method of claim 17, wherein the step of introducing a drying gas comprises the step of introducing a dilute organic vapor above the processing fluid in the process vessel.

22. (Original) The method of claim 21, wherein the dilute organic vapor comprises isopropyl alcohol.

23. (Original) The method of claim 17, wherein the drying fluid is a drying gas selected from the group consisting of air and nitrogen.

24. (New) A processor for cleaning, rinsing, and drying workpiece comprising:

a process vessel;

a workpiece holder rotatably supportable within the process vessel and adapted to hold one or more workpieces;

a vapor processing system for supplying a vapor into the process vessel, for processing the workpieces;

an ozone supply system connecting to the process vessel;

an aqueous liquid supply system for introducing an aqueous liquid into the process vessel to rinse the workpieces by immersing the workpieces in the aqueous liquid; and

an organic solvent drying system supplying an organic solvent into the process vessel, for drying the workpieces.

25. (New) The processor according to claim 24 further including an overflow weir at one side of the process vessel.

26. (New) The processor according to claim 24, wherein the ozone supply system comprises one or more spray nozzles within the process vessel.

27. (New) The processor according to claim 24, wherein the ozone supply system comprises a gas bubbler located near the bottom.

28. (New) The processor according to claim 24, wherein the drying system includes a gas diffuser at the top of the process vessel.

29. (New) The processor according to claim 24, further comprising one or more heaters in or on the process vessel for heating liquid in the process vessel.